

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 03-141955

(43)Date of publication of application : 17.06.1991

(51)Int.Cl.

A61L 27/00
A61C 5/00
A61K 6/033
A61K 6/06

(21)Application number : 01-279811

(71)Applicant : MITSUBISHI MATERIALS CORP

(22)Date of filing : 30.10.1989

(72)Inventor : HIRANO MASAHIRO
TAKEUCHI HIROYASU

(54) HYDRAULIC CALCIUM PHOSPHATE CEMENT SETTING FLUID

(57)Abstract:

PURPOSE: To enable good adhesiveness to a bone and a tooth to be exhibited by containing chondroitin sulfuric acid or its salt in setting fluid for hardening hydraulic calcium phosphate cement.

CONSTITUTION: Chondroitin sulfuric acid, having a sulfuric acid group and a carboxyl group, shows strong acid, but as a kind of principal mucopolysaccharides with hyaluronic acid, since chondroitin sulfuric acid is contained 20 to 40% in cartilage, in addition, widely distributed in skin, navel string, other various binding tissue, etc., it has high affinity to the living body. Accordingly, the chondroitin sulfuric acid can be used as it is, while for facilitating handling, as chondroitin sulfuric acid salt. The chondroitin sulfuric acid and its salt, providing molecular weight of 1000 to 50000 range and further with surface active action, is knead-mixed with hydraulic calcium phosphate cement, and this cement is adhesively well attached to bone and teeth. Also, by particularly improving consistency and operation workability at the time of kneading, operation is facilitated and further even a place of narrow space or complicated shape can be surely and closely filled with cement mud.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]